

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	"10/618317"	US-PGPUB	OR	OFF	2006/02/19 13:38
S2	273	345/166.ccls.	US-PGPUB; USPAT	OR	OFF	2005/08/24 16:19
S3	3	345/166.ccls. and waveguide	US-PGPUB; USPAT	OR	OFF	2005/08/24 14:00
S4	6	345/166.ccls. and conduit	US-PGPUB; USPAT	OR	OFF	2005/08/24 14:01
S5	9	waveguide and paraboloid	US-PGPUB; USPAT	OR	OFF	2005/08/24 14:02
S6	374	waveguide and paraboloid	US-PGPUB; USPAT	OR	OFF	2005/08/24 14:01
S7	223503	waveguide and paraboloid amd mouse	US-PGPUB; USPAT	OR	OFF	2005/08/24 14:01
S8	1	waveguide and paraboloid and mouse	US-PGPUB; USPAT	OR	OFF	2005/08/24 14:02
S9	129	waveguide same paraboloid	US-PGPUB; USPAT	OR	OFF	2005/08/24 14:06
S10	70	waveguide same paraboloid not antenna	US-PGPUB; USPAT	OR	OFF	2005/08/24 14:06
S11	43	waveguide same paraboloid not antenna and internal adj reflection	US-PGPUB; USPAT	OR	OFF	2005/08/24 14:10
S12	171	waveguide and internal adj reflection and curved adj surface	US-PGPUB; USPAT	OR	OFF	2005/08/24 14:10
S13	9	waveguide and internal adj reflection and curved adj surface near6 internal	US-PGPUB; USPAT	OR	OFF	2005/08/24 14:17
S14	431	optical adj conduit	US-PGPUB; USPAT	OR	OFF	2005/08/24 14:17
S15	27	optical adj conduit and mouse	US-PGPUB; USPAT	OR	OFF	2005/08/24 14:21
S16	192	mouse and (LED "light emitting diode") and internal adj reflection	US-PGPUB; USPAT	OR	OFF	2005/08/24 14:21
S17	30	mouse and (LED "light emitting diode") same internal adj reflection	US-PGPUB; USPAT	OR	OFF	2005/08/24 14:21
S18	105	345/165.ccls.	US-PGPUB; USPAT	OR	OFF	2005/08/24 16:19

## EAST Search History

S19	62	("3936712"   "4093872"   "4254333"   "4533827"   "4641350"   "4658303"   "4690554"   "4784484"   "4812833"   "4854688"   "4896363"   "4914624"   "4977601"   "5065146"   "5103085"   "5103486"   "5131038"   "5148015"   "5177802"   "5194105"   "5210588"   "5229764"   "5239166"   "5280527"   "5311611"   "5337043"   "5355148"   "5453606"   "5467403"   "5508719"   "5532476"   "5538691"   "5546471"   "5553019"   "5577848"   "5578817"   "5605406"   "5621207"   "5623553").PN. OR ("5801681"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/25 09:48
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## EAST Search History

S20	185	("20020030668"   "20020106115"   "20030133103"   "2500017"   "3200701"   "3475588"   "3482498"   "3495259"   "3527535"   "3540025"   "3617120"   "3699519"   "3743421"   "3906520"   "3944978"   "3947128"   "3968476"   "3975711"   "4032975"   "4063226"   "4120585"   "4152056"   "4209481"   "4210899"   "4253086"   "4322163"   "4414684"   "4537484"   "4544267"   "4553837"   "4601195"   "4669487"   "4681435"   "4684802"   "4701772"   "4783823"   "4784484"   "4792226"   "4811414"   "4876726"   "4905293"   "4924085"   "4933976"   "4942482"   "4946276"   "4995086"   "5054090"   "5067162"   "5067749"   "5131038"   "5146102"   "5157497"   "5177353"   "5185673"   "5187747"   "5210588"   "5222152"   "5222153"   "5230025"   "5233404"   "5249370"   "5253085"   "5261266"   "5285293"   "5291318"   "5351127"   "5363318"   "5384621"   "5412463"   "5416573"   "5448649"   "5467403"   "5469506"   "5471240"   "5473144"   "5483601"   "5509083"   "5517528"   "5528355"   "5548394"   "55591949"   "5596454"   "5598474"   "5613014"   "5615277"   "5625448"   "5640422"   "5649128"   "5650842"   "5661451"   "5680205"   "5689529"   "5717777"   "5726443"   "5729334"   "5736734"   "5745684"   "5748766"   "5748768"   "5755748"   "5757278"   "5767989"   "5778089"   "5781647"   "5793218"   "5801681"   "5805777"   "5809172"   "5812067"   "5815252"   "5818956"   "5822445"   "5825005"   "5825474"   "5828373"   "5832311"   "5835741"   "5840679"   "5848109"   "5853447"   "5860517"   "5865255"   "5872625"   "5877363"   "5884733"   "5889401"   "5896841"   "5901469"   "5908949"   "5913537"   "5921057"   "5926005"   "5933165"   "5938193"   "5945273"   "5950301"   "5957381"   "5962409"   "5969489"   "5974437"   "5981597"   "5986485"   "5993705"   "5998573"   "6005813"   "6010561"   "6017921"   "6022649"   "6029929"   "6034737"   "6042037"   "6046825"   "6054145"   "6058913"   "6066253"   "6070981"   "6078361"   "6083049"   "6090469"   "6095117"   "6102577"   "6107165"   "6114685"   "6119253"   "6126793"   "6131341"   "6138901"   "6143389"   "6151009"   "6155437"   "6163117"   "6167465"   "6175225"   "6179513"   "6187333"   "6191581"   "6199441"   "6203649"   "6211549"   "6215717"   "6223657"   "6227785"   "6235765"   "6239853"   "6247873"   "6251941"   "6259981"   "6263979"   "6272089"   "6276067"   "6284197"   "6288135"   "6296305"   "6300173"   "6308413"   "6312211"   "6320521"   "6324249"   "6332629"   "6336287"   "6344737"   "6348325"   "6356845"   "6360353"   "6368953"   "6364381"   "6381061"   "6388409"   "6393169"   "6396437"   "6405277"   "6409485"   "6417385"   "6417473"   "6429493"   "6425561"   "6441601"   "6431629"   "6453709"   "6439697"   "6465817"   "6447765"   "6477925"   "6455833"   "6490033"   "6463901"   "6502141"   "6471969"   "6514249"   "6480037"   "6526357"   "6488105"   "6538465"   "6496173"   "6550573"   "6504241"   "6562681"   "6512309"   "6574789"   "6520377"   "6586897"   "6528445"   "6599005"   "6536513"   "6611113"   "6544581"   "6623221"   "6552649"   "6635329"   "6560717"   "6647437"   "6568785"   "6659545"   "6576853"   "6671653"   "6584921"   "6683761"   "6592989"   "6695869"   "6601057"   "6707977"   "6609125"   "6720085"   "6617193"   "6732193"   "6625261"   "6744301"   "6633329"   "6756409"   "6641397"   "6768517"   "6649465"   "6780625"   "6657533"   "6792733"   "6665601"   "6804841"   "6673669"   "6816949"   "6681737"   "6829057"   "6689805"   "6841165"   "6697873"   "6853273"   "6705941"   "6865381"   "6714009"   "6877489"   "6722077"   "6889597"   "6730145"   "6901705"   "6738213"   "6913813"   "6746281"   "6925921"   "6754349"   "6938029"   "6762417"   "6950137"   "6770485"   "6962245"   "6778553"   "6974353"   "6786621"   "6986461"   "6794689"   "6998569"   "6802757"   "7010677"   "6810825"   "7022785"   "6818893"   "7034893"   "6826961"   "7047001"   "6835029"   "7059109"   "6843097"   "7071217"   "6851165"   "7083325"   "6859233"   "70954
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## EAST Search History

S21	16	("5426296"   "5684906"   "5764347"   "5812252"   "5900993").PN. OR ("6115484").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/25 10:00
S22	8	("4784484"   "5619586"   "5942761"   "6011860"   "6259108").PN. OR ("6355937").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/25 10:04
S23	118	385/146.ccls.	US-PGPUB	OR	OFF	2005/08/25 10:56
S24	411	385/146.ccls.	US-PGPUB; USPAT	OR	OFF	2005/08/25 10:56
S25	2	385/146.ccls. and paraboloid	US-PGPUB; USPAT	OR	OFF	2005/08/25 10:57
S26	112	waveguide same embedded near3 light	US-PGPUB; USPAT	OR	OFF	2005/08/25 10:57
S27	90	waveguide near5 embedded near3 light	US-PGPUB; USPAT	OR	OFF	2005/08/25 10:57
S28	13	waveguide near5 embedded near3 light and curved	US-PGPUB; USPAT	OR	OFF	2005/08/25 11:14
S29	408	waveguide near5 within near3 light and curved	US-PGPUB; USPAT	OR	OFF	2005/08/25 11:15
S30	1	waveguide near5 within near3 light adj source and curved	US-PGPUB; USPAT	OR	OFF	2005/08/25 12:26
S31	9462	"total internal reflection"	US-PGPUB; USPAT	OR	OFF	2005/08/25 12:26
S32	1358	"total internal reflection" near4 (block guide conduit prism)	US-PGPUB; USPAT	OR	OFF	2005/08/25 12:27
S33	27	"total internal reflection" near4 (block guide conduit prism) same curved	US-PGPUB; USPAT	OR	OFF	2005/08/25 12:38
S34	2	"10/445136"	US-PGPUB; USPAT	OR	OFF	2005/08/25 12:41
S35	1	"5677012".pn.	US-PGPUB; USPAT	OR	OFF	2005/08/25 14:20
S36	1	"5852434".pn.	US-PGPUB; USPAT	OR	OFF	2005/08/25 14:39
S37	125	"tapered light pipe"	US-PGPUB; USPAT	OR	OFF	2005/08/25 12:52
S38	57	"tapered light pipe" and light near4 (embedded within)	US-PGPUB; USPAT	OR	OFF	2005/08/25 12:54
S39	11	"tapered light pipe" and light adj source near4 (embedded within)	US-PGPUB; USPAT	OR	OFF	2006/02/06 14:52
S40	13	"tapered light pipe" same light near4 (embedded within)	US-PGPUB; USPAT	OR	OFF	2006/02/06 15:07

## EAST Search History

S41	181	light adj pipe same light adj source near3 (embedded within inside)	US-PGPUB; USPAT	OR	OFF	2005/08/25 16:01
S42	4	light adj pipe same light adj source near3 (embedded within inside) and mouse	US-PGPUB; USPAT	OR	OFF	2005/08/25 14:40
S43	5	("4917465"   "5050946"   "5187765"   "5202950"   "5226105").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/25 15:17
S44	1	"6869206".pn.	US-PGPUB; USPAT	OR	OFF	2005/08/25 16:01
S45	1	"6637924".pn.	USPAT	OR	OFF	2005/08/25 17:44
S46	1	"5390276".pn.	USPAT	OR	OFF	2005/08/25 17:44
S47	22	waveguide same light adj source same glue	US-PGPUB; USPAT	OR	OFF	2005/08/26 10:15
S48	32	waveguide same light adj source same glue\$3	US-PGPUB; USPAT	OR	OFF	2005/08/26 10:20
S49	1	"6648904".pn.	US-PGPUB; USPAT	OR	OFF	2005/08/26 10:21
S50	8	light adj pipe same light adj source same glue\$3	US-PGPUB; USPAT	OR	OFF	2005/08/26 10:26
S51	3	light-transparent near2 glue same (waveguide light adj pipe)	US-PGPUB; USPAT	OR	OFF	2005/08/26 10:27
S52	260	(waveguide light adj pipe) near9 glu\$3	US-PGPUB; USPAT	OR	OFF	2005/08/26 10:28
S53	21	(waveguide light adj pipe) near9 glu\$3 same light near2 (source emitter)	US-PGPUB; USPAT	OR	OFF	2005/08/26 10:32
S54	20	optical adj glue same light adj source	US-PGPUB; USPAT	OR	OFF	2005/08/26 10:33
S55	29	optical near4 glue same light adj source	US-PGPUB; USPAT	OR	OFF	2005/08/26 10:33
S56	687	light adj source and reflector near3 (cup shield)	US-PGPUB; USPAT	OR	OFF	2006/02/06 14:53
S57	51	light adj source and reflector near3 (cup shield) and (waveguide light adj pipe)	US-PGPUB; USPAT	OR	OFF	2006/02/06 14:54
S58	50	light adj source and reflector near3 (cup shield) and (waveguide light adj pipe) and (embedded within)	US-PGPUB; USPAT	OR	OFF	2006/02/06 14:53
S59	23	(light adj source) near6 (embedded within) and reflector near3 (cup shield) and (waveguide light adj pipe)	US-PGPUB; USPAT	OR	OFF	2006/02/06 14:54

## EAST Search History

S60	11	(light adj source) and reflector near3 (cup shield) and (waveguide light adj pipe) near6 (embedded within)	US-PGPUB; USPAT	OR	OFF	2006/02/06 14:54
S61	10	light adj source and reflector near3 (cup shield) and (waveguide light adj pipe) and mouse	US-PGPUB; USPAT	OR	OFF	2006/02/06 14:54
S62	4238	(waveguide light adj pipe) same light near4 (embeded within)	US-PGPUB; USPAT	OR	OFF	2006/02/06 15:07
S63	31	(waveguide light adj pipe) same light near4 (embeded within) and (reflect\$4 near (shield cup))	US-PGPUB; USPAT	OR	OFF	2006/02/06 15:08
S64	30	(waveguide light adj pipe) same light near4 (embeded within) and (reflect\$4 adj3 (shield cup))	US-PGPUB; USPAT	OR	OFF	2006/02/06 15:12
S65	0	(waveguide light adj pipe) same light near4 (embeded within) same (reflect\$4 adj3 (shield cup))	US-PGPUB; USPAT	OR	OFF	2006/02/06 15:08
S66	23762	light adj source and reflect\$4 same direct	US-PGPUB; USPAT	OR	OFF	2006/02/06 15:12
S67	4210	light adj source and reflect\$4 same direct and (waveguide conduit light adj pipe)	US-PGPUB; USPAT	OR	OFF	2006/02/06 15:13
S68	1001	light adj source and reflect\$4 same direct and (waveguide conduit light adj pipe) and embedded	US-PGPUB; USPAT	OR	OFF	2006/02/06 15:13
S69	175	light adj source and reflect\$4 same direct and (waveguide conduit light adj pipe) and embedded and mouse	US-PGPUB; USPAT	OR	OFF	2006/02/06 15:14
S70	26	light adj source and reflect\$4 near4 (cup shield mirror) same direct and (waveguide conduit light adj pipe) and embedded and mouse	US-PGPUB; USPAT	OR	OFF	2006/02/06 15:22
S71	1	light adj source and reflect\$4 near4 (cup shield) same direct and (waveguide conduit light adj pipe) and embedded and mouse	US-PGPUB; USPAT	OR	OFF	2006/02/06 15:22
S72	9	light adj source and reflect\$4 near4 (cup shield) same direct and (waveguide conduit light adj pipe) and embedded	US-PGPUB; USPAT	OR	OFF	2006/02/06 15:22
S73	77	light adj source and reflect\$4 near4 (cup shield) and (waveguide conduit light adj pipe) and embedded	US-PGPUB; USPAT	OR	OFF	2006/02/06 15:23

## EAST Search History

S74	16	light adj source and reflect\$4 near4 (cup shield) and (waveguide conduit light adj pipe) same embedded	US-PGPUB; USPAT	OR	OFF	2006/02/06 15:23
S75	1	light adj source and reflect\$4 near4 (cup shield) same (waveguide conduit light adj pipe) same embedded	US-PGPUB; USPAT	OR	OFF	2006/02/06 15:23
S76	378	LED and reflector near2 cup	US-PGPUB; USPAT	OR	OFF	2006/02/19 13:59
S77	27	LED and reflector near2 cup and waveguide	US-PGPUB; USPAT	OR	OFF	2006/02/19 13:38
S78	874	optical adj mouse	US-PGPUB; USPAT	OR	OFF	2006/02/19 13:59
S79	34	optical adj mouse and (waveguide conduit)	US-PGPUB; USPAT	OR	OFF	2006/02/19 14:02
S80	314	345/166.ccls.	US-PGPUB; USPAT	OR	OFF	2006/02/19 14:02
S81	160	345/166.ccls. and LED	US-PGPUB; USPAT	OR	OFF	2006/02/19 14:06
S82	1	345/166.ccls. and LED and waveguide	US-PGPUB; USPAT	OR	OFF	2006/02/19 14:06
S83	214	mouse and LED and waveguide	US-PGPUB; USPAT	OR	OFF	2006/02/19 14:08
S84	31	mouse and LED same waveguide	US-PGPUB; USPAT	OR	OFF	2006/02/19 14:09
S85	50	mouse and LED same conduit	US-PGPUB; USPAT	OR	OFF	2006/02/19 14:09
S86	8	("4751505"   "4799055"   "4804949"   "5086197"   "5517211").PN. OR ("6501460"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/19 14:18

## EAST Search History

S87	85	("20010015718"   "20020067334"   "20020083357"   "20020093481"   "20020126094"   "3333160"   "3453535"   "3551919"   "3575640"   "3588038"   "3761805"   "3836813"   "3922526"   "4149231"   "4203153"   "4409665"   "4422163"   "4558274"   "4593323"   "4639864"   "4649373"   "4698748"   "4736097"   "4743837"   "4755707"   "4766567"   "4806846"   "4872485"   "4879461"   "4907183"   "4922450"   "4972070"   "4977537"   "5012406"   "5025516"   "5033508"   "5065357"   "5148380"   "5159276"   "5163153"   "5175845"   "5218704"   "5231380"   "5247655"   "5249298"   "5255341"   "5256913"   "5276890"   "5294889"   "5329239"   "5355503"   "5369443"   "5369771"   "5371693"   "5384457"   "5396443"   "5404541"   "5408668"   "5428790"   "5461321"   "5557440"   "5570869"   "5572205"   "5590343"   "5669004"   "5730165"   "5854621"   "5903767"   "5925110"   "5990868"   "6172354"   "6232957"   "6269449"   "6288706"   "6288707"   "6303924"   "6304249"   "6333753"   "6373047"   "6396477"   "6452514").PN. OR ("6661410"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/19 14:20
S88	8	("20020061739"   "4647771"   "4920260"   "5086197"   "6124587"   "6256016"   "6330057"   "6353478").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/19 14:24